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	Application No.	Applicant(s)	(,,
Notice of Allowability	10/079,577	TAKAHASHI ET AL	
	Examiner	Art Unit	
	Tarifur R Chowdhury	2871	
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.			
1. \boxtimes This communication is responsive to <u>amendment and subm</u>	nission under 37 CFR 1.111 filed on	01/15/04 & 04/02/04	respectively.
2. The allowed claim(s) is/are <u>1-14</u> .			,
3. \boxtimes The drawings filed on $\underline{02/22/02}$ are accepted by the Examir	ner.		
4.			
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	5. Notice of Informal P 6. Interview Summary Paper No./Mail Dat 8), 7. Examiner's Amendr 8. Examiner's Stateme 9. Other	(PTO-413), te nent/Comment	

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Allowable Subject Matter

1. Claims 1-14 are allowed.

2. The following is an examiner's statement of reasons for allowance:

3. The prior arts of record do not anticipate or render obvious to one skilled in the art a liquid crystal display apparatus comprising various elements as claimed, more specifically a reflection type polarizer disposed on the lower surface of the light pipe dividing the incident natural light coming form the light source via the light emitting means and emitted from the lower surface of the light pipe into a circularly polarized reflected light and a transmitted light, and the reflected light being emitted through the upper surface of the light pipe disposed at the lower surface of the light pipe, including all other recitations.

4. The closes reference USPAT 5,856,855 (Mol) discloses a liquid crystal display apparatus wherein a reflective polarizer is disposed at the lower surface of the light pipe and a liquid crystal shutter is disposed on the upper surface of the light pipe. However, Mol discloses that the light emitted from the light source is separated by the reflective polarizer into a reflected light which is reflected within the light pipe and a transmitted beam which is then forward-diffused back through the reflective polarizer by the diffuser or reflected by the reflector and transmitted by the reflective polarizer. Thus in Mol, the light reflected by the reflective polarizer is not emitted by the light pipe until it has been depolarized, transmitted by the reflective polarizer and forward-diffused or reflected to be re-transmitted by the reflective polarizer. Further, USPAT 6,590,625 and US 2003/0147042 are not available as references in an obviousness rejection because of

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common ownership as indicated in the statement of common ownership under 37 CFR 1.111 filed on 01/15/04 and 04/02/04.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tarifur R Chowdhury whose telephone number is (571) 272-2287. The examiner can normally be reached on M-Th (6:30-5:00) Friday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Kim can be reached on (571) 272-2293. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TRC April 03, 2004